Parton-level leading top rapidity

13000 GeV pp — $t\bar{t}$

ATLAS

Herwig 7.2.1 softTune

Pythia 6.428 370

Pythia 8.315 default

$1 / \sigma \; \cdot \; d\sigma / d|y^{t,1}|$

Ratio to ATLAS

(ATLAS_2022_I2077575)
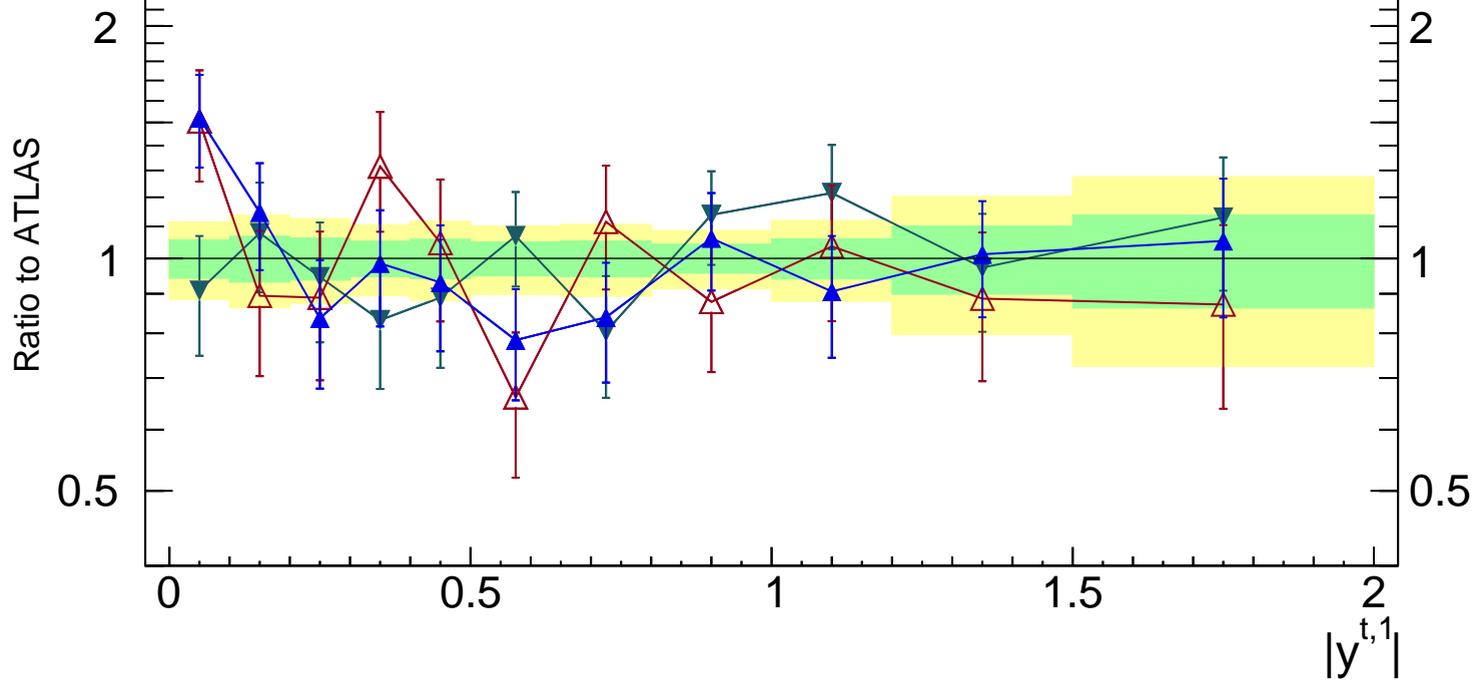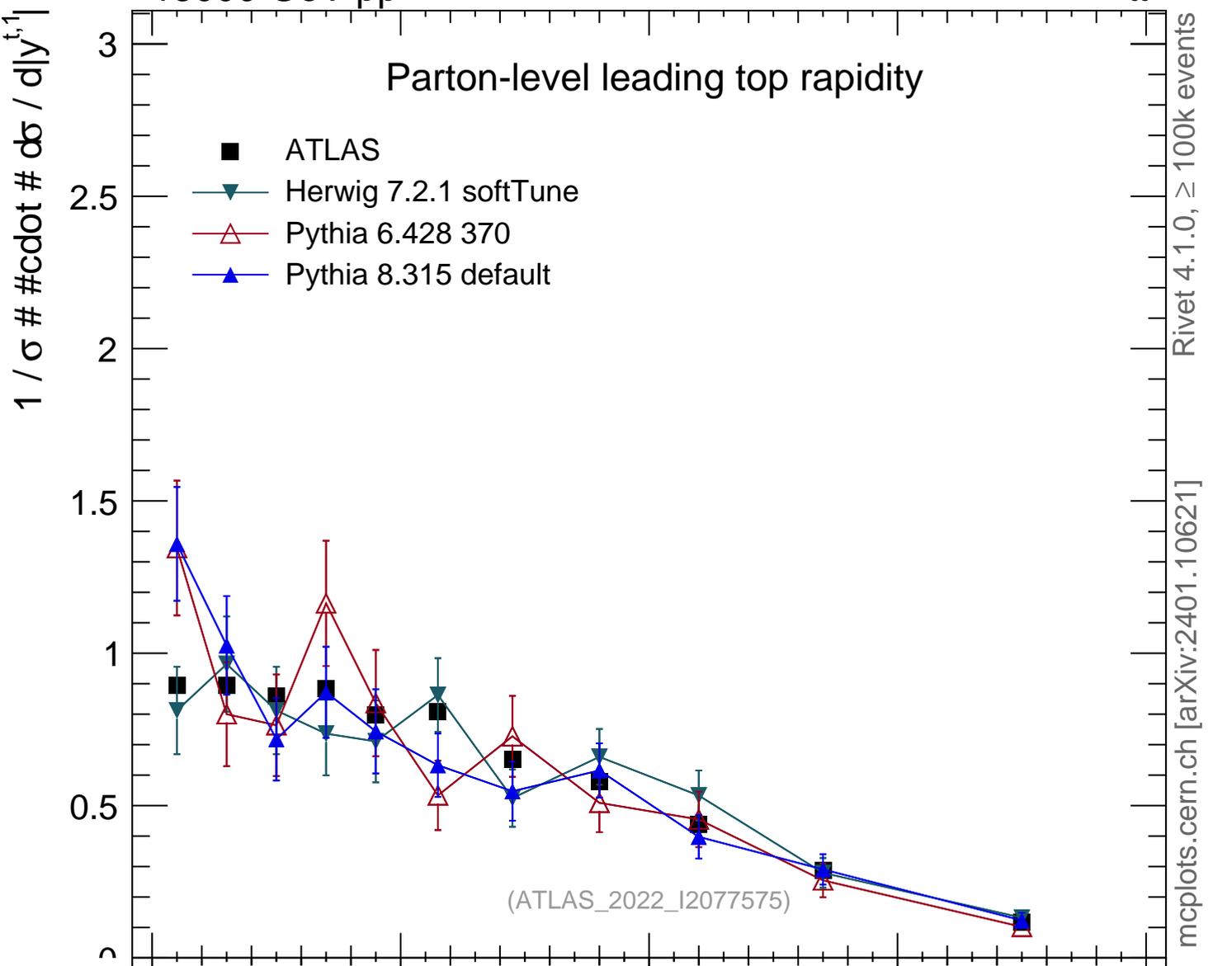
Rivet 4.1.0, $\geq$ 100k events

mcplots.cern.ch [arXiv:2401.10621]

$|y^{t,1}|$